

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD2035</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2035 Conaway</b>	<b>A</b>	<b>12.15</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					6.36			
Erosion / Bank Caving	0.01		0.01	0.08%				
<i>Supplemental</i>								
2017 USACE Erosion Survey	0.29		0.29	2.39%				
DRAFT DWR UCIP Field Study					0.10			
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.30	0.00	0.30	2.47%	6.46	0.00	0.00	0.00
<b>Unit No. 01 Cache Creek Settling Basin RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>2.01</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00
<b>Unit No. 02 Yolo Bypass RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>7.63</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					3.98			
Erosion / Bank Caving	0.01		0.01	0.13%				
<i>Supplemental</i>								
2017 USACE Erosion Survey	0.29		0.29	3.80%				
DRAFT DWR UCIP Field Study					0.05			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.30	0.00	0.30	3.93%	4.03	0.00	0.00	0.00
<b>Unit No. 03 Willow Slough Bypass LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>2.51</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.38			
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.39	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway			Bank	Unit Miles
Unit No. 01 Cache Creek Settling Basin			Right	2.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/15/2019 - 4/15/2019		9/26/2019 - 9/26/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Peter Blum		Peter Blum	
	David Julian DWR			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2035_01_s_2013_3				
Comment Code					
Inspector Comment					
The LMA stated that they keep a copy of the O&M manuals on hand at the district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>4</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2035_01_s_2013_4				
Comment Code					
Inspector Comment					
The district has emergency supplies and equipment on hand at their district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2035_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA is current with flood fight training.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	10	
LM End	0.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.677393 °	38.677393 °	
				-121.709890 °	-121.709890 °	
DWR ID	17819					
Comment Code						
Inspector Comment						
DS_ID:17819 FS_ID:56045 EP_NO: 4363 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)04/02/2013 This pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 7.8 feet below the crown. 30-inch welded steel pipe sleeved through the 36-inch corrugated metal pipe (CMP) with annular space grouted. Flap gate in 72-inch corrugated metal pipe (CMP) riser at the waterside (WS) toe with abandoned pump platform on the south side of East Main Street. (30-inch drainage pipe sleeved through 36-inch conductor pipe through the railway embankment authorized under Permit No. 4363, 1963 - City of Woodland, City Engineer). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 8/16/2019 12:16:00 PM						

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_56045\_18102.jpg



Flap gate and pipe at bottom of 72-inch CMP riser on WS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_56045\_18101.jpg



72-inch CMP riser on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	10 (cont)	
LM End	0.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.677393 °	38.677393 °	
				-121.709890 °	-121.709890 °	
DWR ID	17819					
Comment Code						
Inspector Comment						
DS_ID:17819 FS_ID:56045 EP_NO: 4363 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)04/02/2013 This pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 7.8 feet below the crown. 30-inch welded steel pipe sleeved through the 36-inch corrugated metal pipe (CMP) with annular space grouted. Flap gate in 72-inch corrugated metal pipe (CMP) riser at the waterside (WS) toe with abandoned pump platform on the south side of East Main Street. (30-inch drainage pipe sleeved through 36-inch conductor pipe through the railway embankment authorized under Permit No. 4363, 1963 - City of Woodland, City Engineer). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 8/16/2019 12:16:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_56045\_18100.jpg



Pipe with 30-inch grouted at 200-feet LS of toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.02	Rating **	A/W	Issue No.	11	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.677377°	38.677377°	
				-121.709487°	-121.709487°	
DWR ID	17814					
Comment Code						
Inspector Comment						
DS_ID:17814 FS_ID:56049 EP_NO: 10127 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 42-inch concrete encased corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Grouted spillway on the WS. Pipe exposed on the landside (LS). (36-inch pipe [HLM 0.02] authorized under Automatic Board Order (ABO) issued as Permit No. 10127, 1974 - City of Woodland, Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 126, November 1961, (HLM 0.01), listed as 5.5 feet below the crown]. FS Date: 8/16/2019 12:20:00 PM						

LM Start	<b>0.02</b>	Rating **	A/W	Issue No.	<b>11 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_56049\_18109.jpg



Flap gate and spillway on WS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_56049\_18108.jpg



Flap gate and spillway on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.02	Rating **	A/W	Issue No.	11 (cont)	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.677377°	38.677377°	
				-121.709487°	-121.709487°	
DWR ID	17814					
Comment Code						
Inspector Comment						
DS_ID:17814 FS_ID:56049 EP_NO: 10127 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 42-inch concrete encased corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Grouted spillway on the WS. Pipe exposed on the landside (LS). (36-inch pipe [HLM 0.02] authorized under Automatic Board Order (ABO) issued as Permit No. 10127, 1974 - City of Woodland, Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 126, November 1961, (HLM 0.01), listed as 5.5 feet below the crown]. FS Date: 8/16/2019 12:20:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_56049\_18107.jpg



Concrete encased pipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.27	Rating **	M	Issue No.	12
LM End	1.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.677249°	38.677249°
				-121.686358°	-121.686358°
DWR ID	17816				
Comment Code					
Inspector Comment					
DS_ID:17816 FS_ID:56056 EP_NO: 12597 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)04/02/2013 Pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel conductor pipe for floating silt dredge through the levee, 3.4 feet below the crown. 10-inch steel pipe sleeved through the 18-inch steel conductor pipe with annular space grouted. Siphon breaker on the waterside (WS) shoulder in steel riser. (18-inch conductor pipe installed under the railroad fill by boring and 10-inch pipe sleeved through conductor pipe authorized under Permit No. 12597, 1978 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 8/16/2019 12:20:00 PM					

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_56056\_18115.jpg



Exposed pipe at WS toe/stream.

Photo 2 of 3 : UCIP\_FA\_2019\_56056\_18114.jpg



Exposed pipe at WS toe/stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.27	Rating **	M	Issue No.	12 (cont)	
LM End	1.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.677249°	38.677249°	
				-121.686358°	-121.686358°	
DWR ID	17816					
Comment Code						
Inspector Comment						
DS_ID:17816 FS_ID:56056 EP_NO: 12597 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)04/02/2013 Pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel conductor pipe for floating silt dredge through the levee, 3.4 feet below the crown. 10-inch steel pipe sleeved through the 18-inch steel conductor pipe with annular space grouted. Siphon breaker on the waterside (WS) shoulder in steel riser. (18-inch conductor pipe installed under the railroad fill by boring and 10-inch pipe sleeved through conductor pipe authorized under Permit No. 12597, 1978 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 8/16/2019 12:20:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_56056\_18113.jpg



Buried steel riser on WS shoulder

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.87	Rating **	M	Issue No.	13
LM End	1.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.677186 °	38.677186 °
				-121.675277 °	-121.675277 °
DWR ID	17867				
Comment Code					
Inspector Comment					
DS_ID:17867 FS_ID:56059 EP_NO: 13201 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)04/02/2013 Pipe needs to be properly marked or abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch casing of an unknown material through the levee, 25 feet below the crown. 3-inch gas line sleeved through the casing with annular space filled with bentonite. Possible vent for pipe on the landside (LS) next to Old River Road. (3-inch gas pipeline within an 8-inch casing authorized under Permit No. 13201, 1981 - Pacific Gas and Electric Company [PG&E]). FS Date: 8/16/2019 12:21:00 PM					

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_56059\_18188.jpg



Natural gas well on south side of Old river road.

Photo 2 of 2 : UCIP\_FA\_2019\_56059\_18187.jpg



Vent pipe to right of JP next to Old River Road.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.88	Rating **	A	Issue No.	9
LM End	1.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677238 °	38.677238 °
				-121.675037 °	-121.675037 °
DWR ID	DWR_RD2035_01_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA\_2019\_RD2035\_238\_9\_20190926\_00013.jpg



View of the maintained waterside slope. Fall 2019.

LM Start	1.94	Rating **	M	Issue No.	14	
LM End	1.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.677175 °	38.677175 °	
				-121.674065 °	-121.674065 °	
DWR ID	17817					
Comment Code						
Inspector Comment						
DS_ID:17817						
FS_ID:56060						
EP_NO: 2544						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)04/02/2013 Pipe appears to be abandoned as there is no pumphouse. Needs to be abandoned properly (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 16-inch steel sewage discharge pipe through the levee, 5 feet below the crown. Pump on piling structure in drainage ditch on the landside (LS). 36-inch concrete standpipe on the waterside (WS) shoulder. (16-inch sewage discharge pipe authorized under Permit No. 2544, 1957 - City of Woodland). [Additional Reference(s): DWR Levee Log, 1990].						
FS Date: 8/16/2019 12:21:00 PM						

Photo 1 of 1 : UCIP\_FA\_2019\_56060\_18189.jpg



36-inch Concrete stand pipe on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Right	7.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/15/2019 - 4/15/2019		9/26/2019 - 9/26/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Peter Blum		Peter Blum	
	David Julian DWR			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.38	Rating **	U	Issue No.	980
LM End	0.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.671813 °	38.671813 °
				-121.671581 °	-121.671581 °
DWR ID	17822				
Comment Code					
Inspector Comment					
DS_ID:17822 FS_ID:56053 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)10/30/2018 Same as last inspection. Flap gate on the WS was submerged at the time of the inspection. Erosion is still present behind the headwall. Sink hole/burrow activity was observed along the concrete box located on the LS. Recommend internal inspection of the pipe section through levee to determine the condition of the pipe through the levee. Crossing remains Urgent due to signs of pipe leakage on LS. (O. Magana - DWR UCIP)09/14/2016 - Flap gate on the WS was submerged at time of inspection. LS headwall at the pumping plant has exposed rebar. There is still erosion present behind the headwall. However, water was present making it difficult to determine if it is getting worse. As-built drawings were requested from LMA consultant representative. (T. Hatch/UCIP)04/02/2013 - Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 44-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Pump on platform in drainage ditch at the landside (LS) toe. Slide gate and flap gates in a 5-foot by 9-foot concrete box. Flap gate on the waterside (WS) toe. 8-inch vent/standpipe at the WS toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 0.4) (4-foot by 4-foot concrete culvert listed)]. FS Date: 8/16/2019 12:25:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_56053\_18202.jpg



Pumping plant off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.38	Rating **	U	Issue No.	980 (cont)	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.671813 °	38.671813 °	
				-121.671581 °	-121.671581 °	
DWR ID	17822					
Comment Code						
Inspector Comment						
DS_ID:17822 FS_ID:56053 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)10/30/2018 Same as last inspection. Flap gate on the WS was submerged at the time of the inspection. Erosion is still present behind the headwall. Sink hole/burrow activity was observed along the concrete box located on the LS. Recommend internal inspection of the pipe section through levee to determine the condition of the pipe through the levee. Crossing remains Urgent due to signs of pipe leakage on LS. (O. Magana - DWR UCIP)09/14/2016 - Flap gate on the WS was submerged at time of inspection. LS headwall at the pumping plant has exposed rebar. There is still erosion present behind the headwall. However, water was present making it difficult to determine if it is getting worse. As-built drawings were requested from LMA consultant representative. (T. Hatch/UCIP)04/02/2013 - Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 44-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Pump on platform in drainage ditch at the landside (LS) toe. Slide gate and flap gates in a 5-foot by 9-foot concrete box. Flap gate on the waterside (WS) toe. 8-inch vent/standpipe at the WS toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 0.4) (4-foot by 4-foot concrete culvert listed)]. FS Date: 8/16/2019 12:25:00 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_56053\_18201.jpg



Pipe and flap gate with vent riser on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.38	Rating **	U	Issue No.	980 (cont)	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.671813 °	38.671813 °	
				-121.671581 °	-121.671581 °	
DWR ID	17822					
Comment Code						
Inspector Comment						
DS_ID:17822 FS_ID:56053 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)10/30/2018 Same as last inspection. Flap gate on the WS was submerged at the time of the inspection. Erosion is still present behind the headwall. Sink hole/burrow activity was observed along the concrete box located on the LS. Recommend internal inspection of the pipe section through levee to determine the condition of the pipe through the levee. Crossing remains Urgent due to signs of pipe leakage on LS. (O. Magana - DWR UCIP)09/14/2016 - Flap gate on the WS was submerged at time of inspection. LS headwall at the pumping plant has exposed rebar. There is still erosion present behind the headwall. However, water was present making it difficult to determine if it is getting worse. As-built drawings were requested from LMA consultant representative. (T. Hatch/UCIP)04/02/2013 - Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 44-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Pump on platform in drainage ditch at the landside (LS) toe. Slide gate and flap gates in a 5-foot by 9-foot concrete box. Flap gate on the waterside (WS) toe. 8-inch vent/standpipe at the WS toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 0.4) (4-foot by 4-foot concrete culvert listed)]. FS Date: 8/16/2019 12:25:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_56053\_18200.jpg



Broken flap gate at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.20	Rating **	A/W	Issue No.	11
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.660050 °	38.659465 °
				-121.669028 °	-121.668940 °
DWR ID	DWR_RD2035_02_f_2018_11				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 1.2 R					
Status: Eroding					
2017 Field Notes: Small amount of toe erosion.					
Site History: 2011 - Small sections of slumping, likely from wind wave.					

No Photos

LM Start	1.71	Rating **	M	Issue No.	981	
LM End	1.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.652721°	38.652721°	
				-121.667790°	-121.667790°	
DWR ID	22956					
Comment Code						
Inspector Comment						
DS_ID:22956 FS_ID:56057 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)09/14/2016 - Pipe has been removed from the levee and the levee has been repaired. It is unknown if these repairs were done with a permit or if the fill was properly compacted. Gas line markers still on WS shoulder of levee. It is unknown if another gas line exists in this location. (T. Hatch/UCIP)04/02/2013 - Pipe does not have appropriate cover and is marked as gas line. Does not appear to be a permitted utility. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *REMOVED* 4-inch steel pipe of an unknown purpose through the levee, 3 inches below the crown. 2-inch polyvinyl chloride (PVC) pipe sleeved through the 4-inch steel pipe. No other appurtenances found. Markers along alignment indicate that the pipe may be a gas line. FS Date: 8/16/2019 12:26:00 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_56057\_18922.jpg



Pipe crossing with gasline marker on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.71	Rating **	M	Issue No.	981 (cont)	
LM End	1.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.652721 °	38.652721 °	
				-121.667790 °	-121.667790 °	
DWR ID	22956					
Comment Code						
Inspector Comment						
DS_ID:22956 FS_ID:56057 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2019 Pending update... record will be updated in 2020. (O. Magana - DWR UCIP)09/14/2016 - Pipe has been removed from the levee and the levee has been repaired. It is unknown if these repairs were done with a permit or if the fill was properly compacted. Gas line markers still on WS shoulder of levee. It is unknown if another gas line exists in this location. (T. Hatch/UCIP)04/02/2013 - Pipe does not have appropriate cover and is marked as gas line. Does not appear to be a permitted utility. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *REMOVED* 4-inch steel pipe of an unknown purpose through the levee, 3 inches below the crown. 2-inch polyvinyl chloride (PVC) pipe sleeved through the 4-inch steel pipe. No other appurtenances found. Markers along alignment indicate that the pipe may be a gas line. FS Date: 8/16/2019 12:26:00 PM						

LM Start	1.71	Rating **	M	Issue No.	981 (cont)
LM End	1.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_56057\_18921.jpg



Pipe on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2019\_56057\_18920.jpg



Pipe with gasline markers on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	12
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.648881 °	38.648178 °
				-121.666653 °	-121.666385 °
DWR ID	DWR_RD2035_02_f_2018_12				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 2.0 R					
Status: Eroding					
2017 Field Notes: Toe continues to erode.					
Site History: 2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Small sections of slumping lower bank, just downstream of bank rock. 2016 - New cracks observed a the mid-slope.					

No Photos

LM Start	2.11	Rating **	C	Issue No.	17
LM End	6.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.647061 °	38.583800 °
				-121.666439 °	-121.630879 °
DWR ID	RD 2035-09				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:196					
Site Designation:RD 2035-09					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:5/18/2017					
Notes: This site had wave wash for approximatly 4.5 miles. The USACE accepted it for repair under the PL84-99 program. This site is repaired as of this inspection date.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	982	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.646445°	38.646445°	
				-121.666423°	-121.666423°	
DWR ID	17833					
Comment Code						
Inspector Comment						
DS_ID:17833						
FS_ID:10933						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)].						
FS Date: 4/2/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_10933\_18226.jpg



Slide gates in concrete vault on WS slope.

LM Start	<b>2.15</b>	Rating **	A/W	Issue No.	<b>982 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_10933\_18225.jpg



LS at intake.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	982 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.646445 °	38.646445 °	
				-121.666423 °	-121.666423 °	
DWR ID	17833					
Comment Code						
Inspector Comment						
DS_ID:17833 FS_ID:10933 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)]. FS Date: 4/2/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_10933\_18224.jpg



Outlet on WS toe.

LM Start	2.15	Rating **	A/W	Issue No.	983	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.646425 °		38.646425 °
				-121.666421 °		-121.666421 °
DWR ID	17877					
Comment Code						
Inspector Comment						
DS_ID:17877						
FS_ID:10934						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 2 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)].						
FS Date: 4/2/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_10934\_18230.jpg



Slide gates in concrete vault on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	983 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.646425 °	38.646425 °	
				-121.666421 °	-121.666421 °	
DWR ID	17877					
Comment Code						
Inspector Comment						
DS_ID:17877						
FS_ID:10934						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 2 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)].						
FS Date: 4/2/2013						

LM Start	<b>2.15</b>	Rating **	A/W	Issue No.	<b>983 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_10934\_18229.jpg



Intake at channel on LS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_10934\_18228.jpg



Concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.18	Rating **	M	Issue No.	979
LM End	4.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646063 °	38.623062 °
				-121.666332 °	-121.648925 °
DWR ID	DWR_RD2035_02_s_2012_979				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located at the landside toe of the levee.					

Photo 1 of 1 : FA\_2019\_RD2035\_239\_979\_20190829\_00006.jpg



View of the ditch on the landward side of the levee looking downstream.  
Fall 2016.

LM Start	2.26	Rating **	A/W	Issue No.	13
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.645319 °	38.640997 °
				-121.665089 °	-121.661878 °
DWR ID	DWR_RD2035_02_f_2018_13				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 2.3 R					
Status: Eroding					
2017 Field Notes: Minor new toe erosion.					
Site History: 2011 - Erosion from wind waves along entire length of the levee toe. Several sections of slumping bank along the toe. 2016 - Fresh cracks observed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.78	Rating **	A/W	Issue No.	14
LM End	3.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.638731 °	38.632783 °
				-121.660247 °	-121.655864 °
DWR ID	DWR_RD2035_02_f_2018_14				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 2.8 R					
Status: Eroding					
2017 Field Notes: Erosion creeps further into levee toe.					
Site History: 2011 - Wave wash erosion and several sections of slumping bank along the toe.					

No Photos

LM Start	2.83	Rating **	M	Issue No.	984	
LM End	2.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.638024 °	38.638024 °	
				-121.659929 °	-121.659929 °	
DWR ID	17826					
Comment Code						
Inspector Comment						
DS_ID:17826						
FS_ID:41907						
EP_NO: 8640						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 04/02/2013 Need to contact owner to determine status and location of crossing. Unable to locate. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 4 feet below the crown. Valve on the waterside (WS) shoulder protected by two 2-inch steel pipes extending 1 foot above the ground. (8-inch line authorized under Permit No. 8640, 1973 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 4/2/2013						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.91	Rating **	M	Issue No.	9
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.637048 °	38.637048 °
				-121.659227 °	-121.659227 °
DWR ID	DWR_RD2035_02_f_2019_9				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Appears to be a 15' wide section of bank caving near the waterside toe. Recommend repairing.					

Photo 1 of 1 : FA\_2019\_RD2035\_239\_9\_20190926\_00028.jpg



View of bank caving on the waterside slope. Fall 2019.

LM Start	3.70	Rating **	M	Issue No.	15
LM End	3.99	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.627145 °	38.623533 °
				-121.651820 °	-121.649176 °
DWR ID	DWR_RD2035_02_f_2018_15				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 3.5 R					
Status: Eroding New					
2017 Field Notes: Unable to view due to access issues.					
Site History: 2016 - Erosion observed at levee toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	4.09	Rating **	A/W	Issue No.	16
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.622224 °	38.618302 °
				-121.648201 °	-121.645296 °
DWR ID	DWR_RD2035_02_f_2018_16				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 4.2 R					
Status: Eroding					
2017 Field Notes: Unable to view due to access issues					
Site History: 2006 - Wave wash erosion and some saturation slumping occurring. Several small scallops present in lower levee slope/toe due to saturation slumping. Tension/separation cracks evident in fine-grained levee slope materials. 2011 - Small pockets of erosion throughout the site. Site formerly called 3.8.					

No Photos

LM Start	4.43	Rating **	M	Issue No.	985
LM End	4.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.618030 °	38.618030 °
				-121.645192 °	-121.645192 °
DWR ID	17828				
Comment Code					
Inspector Comment					
DS_ID:17828 FS_ID:11526 EP_NO: 1701 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe encased in 6 inches of reinforced concrete through the levee, 20.6 feet below the crown. Slide gate in a 7-foot-diameter corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pumping plant with 6 pumps and pipes that discharge into a 4-foot by 18-foot surge box on the landside (LS) toe. (drainage pumping plant, 60-inch pipe, authorized under Permit No. 1701, 1952 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 4.7)]. FS Date: 4/3/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_11526\_18935.jpg



Surge box and pumping plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	4.43	Rating **	M	Issue No.	985 (cont)	
LM End	4.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.618030 °	38.618030 °	
				-121.645192 °	-121.645192 °	
DWR ID	17828					
Comment Code						
Inspector Comment						
DS_ID:17828 FS_ID:11526 EP_NO: 1701 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe encased in 6 inches of reinforced concrete through the levee, 20.6 feet below the crown. Slide gate in a 7-foot-diameter corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pumping plant with 6 pumps and pipes that discharge into a 4-foot by 18-foot surge box on the landside (LS) toe. (drainage pumping plant, 60-inch pipe, authorized under Permit No. 1701, 1952 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 4.7)]. FS Date: 4/3/2013						

LM Start	<b>4.43</b>	Rating **	M	Issue No.	<b>985 (cont)</b>
LM End	<b>4.43</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_11526\_18934.jpg



7-foot diameter CMP riser and slide gate on WS slope.

Photo 3 of 3 : UCIP\_FA\_2019\_11526\_18933.jpg



7-foot diameter CMP riser and slide gate on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	4.43	Rating **	M	Issue No.	10
LM End	6.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.617921°	38.589619°
				-121.645109°	-121.631277°
DWR ID	DWR_RD2035_02_s_2013_10				
Comment Code					
DT : Ditch					
Inspector Comment					
A ditch is located at the landside levee toe.					

Photo 1 of 1 : FA\_2019\_RD2035\_239\_10\_20190829\_00001.jpg



View of the drainage ditch on the landward side of the levee looking downstream. Fall 2016.

LM Start	6.35	Rating **	A/W	Issue No.	31
LM End	6.38	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.592840 °	38.592390 °
				-121.631340 °	-121.631320 °
DWR ID	RD 2035-08				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:195					
Site Designation:RD 2035-08					
Repair Type: Erosion					
Rating:Critical					
Field Date:7/13/2017					
Notes: long longitudinal cracks on the crown. Scheduled for repair in 2020.					

Photo 1 of 4 : FA\_2019\_RD2035\_239\_31\_20190829\_00002.jpg



View of the damaged landside slope. Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	6.35	Rating **	A/W	Issue No.	31 (cont)
LM End	6.38	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.592840 °	38.592390 °
				-121.631340 °	-121.631320 °
DWR ID	RD 2035-08				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:195					
Site Designation:RD 2035-08					
Repair Type: Erosion					
Rating:Critical					
Field Date:7/13/2017					
Notes: long longitudinal cracks on the crown. Scheduled for repair in 2020.					

LM Start	<b>6.35</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>6.38</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : LEVAL\_FA\_2019\_195\_1600.jpg



Photo 3 of 4 : LEVAL\_FA\_2019\_195\_1603.jpg



**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	6.35	Rating **	A/W	Issue No.	31 (cont)
LM End	6.38	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.592840 °	38.592390 °
				-121.631340 °	-121.631320 °
DWR ID	RD 2035-08				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:195					
Site Designation:RD 2035-08					
Repair Type: Erosion					
Rating:Critical					
Field Date:7/13/2017					
Notes: long longitudinal cracks on the crown. Scheduled for repair in 2020.					

Photo 4 of 4 : LEVAL\_FA\_2019\_195\_1592.jpg



LM Start	6.50	Rating **	M	Issue No.	986
LM End	6.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.590691 °	38.590691 °
				-121.631284 °	-121.631284 °
DWR ID	17868				
Comment Code					
Inspector Comment					
DS_ID:17868 FS_ID:50089 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion on the LS toe at the sheet pile walls for the pumping plant is still present. It does not appear to be significantly different than during the previous inspection. Erosion should be monitored, but at this time does not appear to result in a potential threat to levee integrity. (T. Hatch/UCIP)04/03/2013 - Erosion on LS toe at pumping plant. Severe erosion of sheet pile walls at pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 1 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (construct two 60-inch concrete box drainage conduits and remove two 48-inch pipelines, work authorized under Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016					

Photo 1 of 3 : UCIP\_FA\_2019\_50089\_18327.jpg



Steel walkway to slide gates on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	6.50	Rating **	M	Issue No.	986 (cont)	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590691 °	38.590691 °	
				-121.631284 °	-121.631284 °	
DWR ID	17868					
Comment Code						
Inspector Comment						
DS_ID:17868 FS_ID:50089 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion on the LS toe at the sheet pile walls for the pumping plant is still present. It does not appear to be significantly different than during the previous inspection. Erosion should be monitored, but at this time does not appear to result in a potential threat to levee integrity. (T. Hatch/UCIP)04/03/2013 - Erosion on LS toe at pumping plant. Severe erosion of sheet pile walls at pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 1 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (construct two 60-inch concrete box drainage conduits and remove two 48-inch pipelines, work authorized under Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

LM Start	<b>6.50</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>6.50</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_50089\_18326.jpg



Pumping plant on LS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_50089\_18325.jpg



Slide gates at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	6.50	Rating **	M	Issue No.	987	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590680 °	38.590680 °	
				-121.631283 °	-121.631283 °	
DWR ID	17891					
Comment Code						
Inspector Comment						
DS_ID:17891 FS_ID:50088 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion is still present on the LS of the levee off the WS toe. This erosion should continue to be monitored, but does not appear to be a threat to levee integrity at this time. (T. Hatch/UCIP)04/02/2013 - Severe erosion at pumping plant on LS toe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 2 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (construct two 60-inch concrete box drainage conduits and remove two 48-inch pipelines, work authorized under Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

LM Start	<b>6.50</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>6.50</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_50088\_18321.jpg



Steel walkway to Slide gate handles on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2019\_50088\_18320.jpg



Surge box and pumping plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/26/2019 09/26/2019	Zach Jojola

LM Start	6.50	Rating **	M	Issue No.	987 (cont)	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.590680 °	38.590680 °	
				-121.631283 °	-121.631283 °	
DWR ID	17891					
Comment Code						
Inspector Comment						
DS_ID:17891 FS_ID:50088 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion is still present on the LS of the levee off the WS toe. This erosion should continue to be monitored, but does not appear to be a threat to levee integrity at this time. (T. Hatch/UCIP)04/02/2013 - Severe erosion at pumping plant on LS toe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 2 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (construct two 60-inch concrete box drainage conduits and remove two 48-inch pipelines, work authorized under Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

Photo 3 of 3 : UCIP\_FA\_2019\_50088\_18319.jpg



Slide gates at outlet on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway			Bank	Unit Miles
Unit No. 03 Willow Slough Bypass			Left	2.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/15/2019 - 4/15/2019		9/26/2019 - 9/26/2019	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Peter Blum		Peter Blum	
	David Julian DWR			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	973
LM End	2.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.575615 °	38.590919 °
				-121.636680 °	-121.658682 °
DWR ID	DWR_RD2035_03_s_2012_973				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2035\_240\_973\_20190829\_00003.jpg



View looking downstream of the landside ditch at the levee toe. Fall 2017.

LM Start	0.81	Rating **	M	Issue No.	974
LM End	0.81	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.581057 °	38.581057 °
				-121.645142 °	-121.645142 °
DWR ID	17823				
Comment Code					
Inspector Comment					
DS_ID:17823 FS_ID:53430 EP_NO: 6123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/30/2018 Crossing has been downgraded from Urgent to Non-Urgent due to the reclassification of the gas lines. UCIP will need to coordinate with PG&E to determine pipe alignment and pipe status. (O. Magana - DWR UCIP)09/14/2016 - No markers present where the pipe crosses levee. pipe vent appears to indicate alignment parallel to the levee at its visible location. However, permit records indicate pipe does cross the levee approximately 75 feet south from the visible well. (T. Hatch/UCIP)04/03/2013 - Need to install gas line markers through the levee if pipe is still active. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 6-inch soil-proofed steel high-pressure gas line through the levee, 2.5 feet below the crown. There is a pipe at vent visible off the landside (LS) toe. (6-inch line authorized under Permit No. 6123, 1968 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 10/30/2018 1:56:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_53430\_18345.jpg



Gasline vent off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	0.81	Rating **	M	Issue No.	974 (cont)	
LM End	0.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.581057°	38.581057°	
				-121.645142°	-121.645142°	
DWR ID	17823					
Comment Code						
Inspector Comment						
DS_ID:17823 FS_ID:53430 EP_NO: 6123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/30/2018 Crossing has been downgraded from Urgent to Non-Urgent due to the reclassification of the gas lines. UCIP will need to coordinate with PG&E to determine pipe alignment and pipe status. (O. Magana - DWR UCIP)09/14/2016 - No markers present where the pipe crosses levee. pipe vent appears to indicate alignment parallel to the levee at its visible location. However, permit records indicate pipe does cross the levee approximately 75 feet south from the visible well. (T. Hatch/UCIP)04/03/2013 - Need to install gas line markers through the levee if pipe is still active. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 6-inch soil-proofed steel high-pressure gas line through the levee, 2.5 feet below the crown. There is a pipe at vent visible off the landside (LS) toe. (6-inch line authorized under Permit No. 6123, 1968 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 10/30/2018 1:56:00 PM						

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>974 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_53430\_18344.jpg



Gasline vent off LS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_53430\_75935.jpg



View along the levee crown looking approximately north. The WS of the levee is on the left. The LS is on the right.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.39	Rating **	M	Issue No.	975
LM End	1.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.589425 °	38.589425 °
				-121.645359 °	-121.645359 °
DWR ID	17836				
Comment Code					
Inspector Comment					
DS_ID:17836 FS_ID:41128 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Need to clear vegetation and debris from WS at outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 327+75)]. FS Date: 4/3/2013					

LM Start	<b>1.39</b>	Rating **	M	Issue No.	<b>975 (cont)</b>
LM End	<b>1.39</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_41128\_18348.jpg



Slide gate and headwall in canal at LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_41128\_18347.jpg



Slide gate and headwall in canal at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	1.39	Rating **	M	Issue No.	975 (cont)	
LM End	1.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.589425 °	38.589425 °	
				-121.645359 °	-121.645359 °	
DWR ID	17836					
Comment Code						
Inspector Comment						
DS_ID:17836 FS_ID:41128 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Need to clear vegetation and debris from WS at outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 327+75)]. FS Date: 4/3/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_41128\_18346.jpg



Vegetated area blocks access to WS of pipe.

LM Start	2.00	Rating **	A	Issue No.	6
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.591010 °	38.591010 °
				-121.655862 °	-121.655862 °
DWR ID	DWR_RD2035_03_f_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA\_2019\_RD2035\_240\_6\_20190926\_00015.jpg



View of the maintained landside slope. Fall 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.17	Rating **	M	Issue No.	976	
LM End	2.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.590934 °	38.590934 °	
				-121.658940 °	-121.658940 °	
DWR ID	17837					
Comment Code						
Inspector Comment						
DS_ID:17837						
FS_ID:11011						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2013 Debris and vegetation partially blocking inlet and outlet at both toes. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Slide gates on both ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 290+37)].						
FS Date: 4/3/2013						

Photo 1 of 2 : UCIP\_FA\_2019\_11011\_18354.jpg



Slide gate at WS toe showing excessive vegetation.

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>976 (cont)</b>
LM End	<b>2.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_11011\_18353.jpg



Slide gate at LS toe showing excessive vegetation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.19	Rating **	M	Issue No.	977	
LM End	2.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.590909 °	38.590909 °	
				-121.659311 °	-121.659311 °	
DWR ID	17838					
Comment Code						
Inspector Comment						
DS_ID:17838 FS_ID:11012 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Debris and vegetation partially blocking both ends of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Slide gate on the landside (LS) toe. Combination flap and slide gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 289+33)]. FS Date: 4/3/2013						

LM Start	<b>2.19</b>	Rating **	M	Issue No.	<b>977 (cont)</b>
LM End	<b>2.19</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_11012\_18357.jpg



Combination flap and slide gate on WS toe. With excessive vegetation

Photo 2 of 3 : UCIP\_FA\_2019\_11012\_18356.jpg



Headwall at bottom of fenceline on LS toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/26/2019 09/26/2019	Zach Jojola

LM Start	2.19	Rating **	M	Issue No.	977 (cont)	
LM End	2.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.590909 °	38.590909 °	
				-121.659311 °	-121.659311 °	
DWR ID	17838					
Comment Code						
Inspector Comment						
DS_ID:17838						
FS_ID:11012						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2013 Debris and vegetation partially blocking both ends of pipe. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Slide gate on the landside (LS) toe. Combination flap and slide gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 289+33)].						
FS Date: 4/3/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_11012\_18355.jpg



Headwall and pipe on LS toe.

LM Start	2.23	Rating **	M	Issue No.	5
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.590893 °	38.590760 °
				-121.659942 °	-121.665210 °
DWR ID	DWR_RD2035_03_s_2013_5				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2035\_240\_5\_20190829\_00001.jpg



View of fence on the landside shoulder of the crown. Fall 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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